

In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1 to 12. (Canceled)

13. (Previously Presented) A music system comprising:

a self-contained, portable music player including

a rechargeable battery pack for powering the music player,

an input device including at least a keypad for receiving user inputs;

an output device including a display;

a memory capable of storing digital music in at least one compressed digital format,

a data processor connected to said input device, said output device and said memory, said data processor programmed to decompress said digital music into uncompressed digital music samples,

an audio coder-decoder connected to said data processor for receiving said uncompressed digital music samples from said data processor and converting said uncompressed digital music samples into analog music,

a headset connector connected to said audio coder-decoder for supplying said analog music, and

a first base connector including

a first power connection connected to said rechargeable battery pack capable of receiving charging power, and

a player analog output connection connected to said audio coder-decoder for supplying said analog music, and

an analog input connection connected to said audio coder-decoder for receiving an analog input; and

a base unit including

- a second base connector including
 - a second power connection for connection to said first power connection,
 - an analog input connection for connection to said player analog output connection of said first base connector,
 - a base unit analog output connection for connection to said analog input connection of said first base connector,
 - a power source connected to said second power connection for supplying recharging power for said rechargeable battery pack,
 - a pre-amplifier having an input connected to said analog input connection and an output,
 - a power amplifier having an input connected to said output of said pre-amplifier and an output,
 - a tuner for receiving and demodulating analog audio signals, said tuner supplying said analog audio signals to said base unit analog output connection, and
 - a speaker system connected to said output of said power amplifier for reproducing sound corresponding to said output of said power amplifier,

wherein the music system operates in

- a portable mode wherein said self-contained, portable music player is disconnected from said base unit and powered by said rechargeable battery pack, enabling a user to listen to selected digital music stored in said memory via said headset connector earphone, and
- in a base mode wherein said self-contained, portable music player is connected to said base unit via said first base connector and said second base connector and powered from

60 said power source, enabling a user to listen to selected
61 digital music stored in said memory via said speaker system of
62 said base unit and enabling a user to listen to music from
63 said tuner supplied to said analog input connection of said
64 first base connector.

1 14. (Previously Presented) The music system of claim 13,
2 wherein:

3 said data processor is further programmed in cooperation with
4 said input device enabling a user to enter volume control data via
5 said keypad;

6 said first base connector further includes a volume data
7 output connection for transmission of volume control data from the
8 self-contained, portable music player;

9 said second base connector further includes a volume data
10 input connection for connection to said volume data output
11 connection; and

12 said pre-amplifier is further connected to said volume data
13 input connection and producing an amount of amplification
14 corresponding to the volume control data.

15 to 24. (Canceled)

1 25. (Previously Presented) A base unit for use with a self-
2 contained, portable music player comprising:

3 a tuner for receiving and demodulating analog audio signals;
4 a base connector including

5 a power connection,
6 an analog input connection for receiving an analog input,
7 a base unit analog output connection connected to said
8 tuner to output demodulated analog audio signals;

9 a power source connected to said power connection for
10 supplying recharging power for the self-contained, portable music
11 player;
12 a pre-amplifier having an input connected to said analog input
13 connection and an output,
14 a power amplifier having an input connected to said output of
15 said pre-amplifier and an output, and
16 a speaker system connected to said output of said power
17 amplifier for reproducing sound corresponding to said output of
18 said power amplifier.

1 26. (Previously Presented) The base unit of claim 25, wherein:
2 said base connector further includes a volume data input
3 connection for receiving of volume control data from the self-
4 contained, portable music player;
5 said pre-amplifier is further connected to said volume data
6 input connection and producing an amount of amplification
7 corresponding to the volume control data.

27 to 29. (Canceled)

1 30. (Previously Presented) The music system of claim 13,
2 wherein:
3 said self-contained, portable music player wherein
4 said first base connector further includes a first
5 digital data bus connection for bidirectional data exchange
6 and
7 said data processor being further connected to said first
8 digital data bus connection of said base connector for
9 communicating station selection data corresponding to inputs
10 received from said input device via said first digital data
11 bus connection to the base unit;
12 said base unit wherein

13 said second base connector further includes a second
14 digital data bus connection for connection to said first
15 digital data bus connection for receiving digital data
16 including station selection data, and
17 said tuner being connected to said second digital data
18 bus connection and further selecting a station corresponding
19 to said station selection data.

1 31. (Previously Presented) The base unit of claim 25, wherein:
2 said base connector further includes a digital data bus
3 connection for receiving digital data including station selection
4 data; and
5 said tuner being connected to said digital data bus connection
6 and further selecting a station corresponding to said station
7 selection data.

1 32. (Previously Presented) The music system of claim 14,
2 wherein:
3 said base unit includes no volume control input.

1 33. (Previously Presented) The base unit of claim 26,
2 wherein:
3 said base unit includes no volume control input.

1 34. (Previously Presented) The music system of claim 30,
2 wherein:
3 said base unit includes no station selection input.

1 35. (Previously Presented) The base unit of claim 31,
2 wherein:
3 said base unit includes no station selection input.

1 36. (Previously Presented) A self-contained, portable music
2 player comprising:
3 a rechargeable battery pack for powering the music player;
4 an input device including at least a keypad for receiving user
5 inputs;
6 an output device including a display;
7 a memory capable of storing digital music in at least one
8 compressed digital format;
9 a data processor connected to said input device, said output
10 device and said memory, said data processor programmed to
11 decompress said digital music into uncompressed digital music
12 samples, said data processor further programmed in cooperation with
13 said input device enabling a user to enter volume control data via
14 said keypad;
15 an audio coder-decoder connected to said data processor for
16 receiving said uncompressed digital music samples from said data
17 processor and converting said uncompressed digital music samples
18 into analog music;
19 a headset connector connected to said audio coder-decoder for
20 supplying said analog music; and
21 a base connector including
22 a power connection connected to said rechargeable battery
23 pack capable of receiving charging power,
24 an analog output connection connected to said audio
25 coder-decoder for supplying said analog music for
26 amplification and reproduction via speakers, and
27 a volume control data output connection for transmission
28 of volume control data from the self-contained, portable music
29 player; and
30 wherein the self-contained, portable music player operates in
31 a portable mode disconnected from a base unit and powered
32 by said rechargeable battery pack, enabling a user to listen

33 to selected digital music stored in said memory via said
34 headset connector, and
35 in a base mode connected to a base unit via said base
36 connector and powered via said power connector, enabling a
37 user to listen to selected digital music stored in said memory
38 via said analog output connection and control listening volume
39 via said volume control data.

1 37. (Previously Presented) The self-contained, portable music
2 player of claim 36, wherein:
3 said base connector further includes a station selection data
4 output connection; and
5 said data processor being further programmed in cooperation
6 with said input device enabling a user to enter station selection
7 data via said keypad, said data processor being further connected
8 to said station selection data output connection of said base
9 connector for communicating station selection data corresponding to
10 inputs received from said input device via said station selection
11 output connection.

1 38. (Previously Presented) A music system comprising:
2 a self-contained, portable music player including
3 a rechargeable battery pack for powering the music
4 player,
5 an input device including at least a keypad for receiving
6 user inputs;
7 an output device including a display;
8 a memory capable of storing digital music in at least one
9 compressed digital format,
10 a data processor connected to said input device, said
11 output device and said memory, said data processor programmed
12 to decompress said digital music into uncompressed digital

13 music samples, said data processor further programmed in
14 cooperation with said input device enabling a user to enter
15 volume control data via said keypad,
16 an audio coder-decoder connected to said data processor
17 for receiving said uncompressed digital music samples from
18 said data processor and converting said uncompressed digital
19 music samples into analog music,
20 a headset connector connected to said audio coder-decoder
21 for supplying said analog music, and
22 a first base connector including
23 a first power connection connected to said
24 rechargeable battery pack capable of receiving charging
25 power,
26 a player analog output connection connected to said
27 audio coder-decoder for supplying said analog music, and
28 a volume control data output connection for
29 transmission of volume control data from the self-
30 contained, portable music player; and
31 a base unit including
32 a second base connector including
33 a second power connection for connection to said
34 first power connection,
35 an analog input connection for connection to said
36 player analog output connection of said first base
37 connector,
38 a volume control data input connection for
39 connection to said player volume control data output
40 connection of said first base connector,
41 a power source connected to said second power connection
42 for supplying recharging power for said rechargeable battery
43 pack,

44 a pre-amplifier having an input connected to said analog
45 input connection and an output, said pre-amplifier further
46 connected to said volume control data input connection and
47 producing an amount of amplification corresponding to the
48 volume control data,

49 a power amplifier having an input connected to said
50 output of said pre-amplifier and an output,

51 a speaker system connected to said output of said power
52 amplifier for reproducing sound corresponding to said output
53 of said power amplifier,

54 said base unit having no input for volume control; and
55 wherein the music system operates in

56 a portable mode wherein said self-contained, portable
57 music player is disconnected from said base unit and powered
58 by said rechargeable battery pack, enabling a user to listen
59 to selected digital music stored in said memory via said
60 headset connector, and

61 in a base mode wherein said self-contained, portable
62 music player is connected to said base unit via said first
63 base connector and said second base connector and powered from
64 said power source, enabling a user to listen to selected
65 digital music stored in said memory via said speaker system of
66 said base unit and control listening volume via said volume
67 control data.

1 39. (Previously Presented) The music system of claim 38,
2 wherein:

3 said self-contained portable music player wherein

4 said first base connector further includes a station
5 selection data output connection, and

6 said data processor being further programmed in
7 cooperation with said input device enabling a user to enter

8 station selection data via said keypad, said data processor
9 being further connected to said station selection data output
10 connection of said first base connector for communicating
11 station selection data corresponding to inputs received from
12 said input device via said station selection output
13 connection;
14 said base unit wherein
15 said second base connector further includes a station
16 selection data input connection for connection to said player
17 station selection data output connection of said first base
18 connector,
19 said base unit further including a tuner for receiving
20 and demodulating analog audio signals and connected to said
21 station selection data input connection of said second base
22 connector for selecting a station corresponding to said
23 station selection data; and
24 said base unit having no input for station selection.

1 40. (Previously Presented) A base unit for use with a self-
2 contained, portable music player comprising:
3 a base connector including
4 a power connection,
5 an analog input connection for receiving an analog input,
6 a volume control data input connection for receiving
7 volume control data;
8 a power source connected to said power connection for
9 supplying recharging power for the self-contained, portable music
10 player;
11 a pre-amplifier having an input connected to said analog input
12 connection and an output, said pre-amplifier further connected to
13 said volume control data input connection and producing an amount
14 of amplification corresponding to the volume control data;

15 a power amplifier having an input connected to said output of
16 said pre-amplifier and an output;
17 a speaker system connected to said output of said power
18 amplifier for reproducing sound corresponding to said output of
19 said power amplifier;
20 said base unit having no input for volume control.

1 41. (Previously Presented) The base unit of claim 40,
2 wherein:
3 said base connector further includes a station selection data
4 input connection for receiving station selection data;
5 said base unit further including a tuner for receiving and
6 demodulating analog audio signals and connected to said station
7 selection data input connection of said base connector for
8 selecting a station corresponding to said station selection data;
9 and
10 said base unit having no input for station selection.

1 42. (Previously Presented) A self-contained, portable music
2 player comprising:
3 a rechargeable battery pack for powering the music player;
4 an input device including at least a keypad for receiving user
5 inputs;
6 an output device including a display;
7 a memory capable of storing digital music in at least one
8 compressed digital format;
9 a data processor connected to said input device, said output
10 device and said memory, said data processor programmed to
11 decompress said digital music into uncompressed digital music
12 samples, said data processor further programmed in cooperation with
13 said input device enabling a user to enter station selection data
14 via said keypad;

15 an audio coder-decoder connected to said data processor for
16 receiving said uncompressed digital music samples from said data
17 processor and converting said uncompressed digital music samples
18 into analog music;

19 a headset connector connected to said audio coder-decoder for
20 supplying said analog music; and

21 a base connector including

22 a power connection connected to said rechargeable battery
23 pack capable of receiving charging power,

24 an analog output connection connected to said audio
25 coder-decoder for supplying said analog music for
26 amplification and reproduction via speakers, and

27 a station selection data output connection for
28 transmission of station selection data from the self-
29 contained, portable music player; and

30 wherein the self-contained, portable music player operates in

31 a portable mode disconnected from a base unit and powered
32 by said rechargeable battery pack, enabling a user to listen
33 to selected digital music stored in said memory via said
34 headset connector, and

35 in a base mode connected to a base unit via said base
36 connector and powered via said power connector, enabling a
37 user to listen to selected digital music stored in said memory
38 via said analog output connection and control station
39 selection of a tuner via said station selection data.

1 43. (Previously Presented) A music system comprising:

2 a self-contained, portable music player including

3 a rechargeable battery pack for powering the music
4 player,

5 an input device including at least a keypad for receiving
6 user inputs;

7 an output device including a display;
8 a memory capable of storing digital music in at least one
9 compressed digital format,
10 a data processor connected to said input device, said
11 output device and said memory, said data processor programmed
12 to decompress said digital music into uncompressed digital
13 music samples, said data processor further programmed in
14 cooperation with said input device enabling a user to enter
15 station selection data via said keypad,
16 an audio coder-decoder connected to said data processor
17 for receiving said uncompressed digital music samples from
18 said data processor and converting said uncompressed digital
19 music samples into analog music,
20 a headset connector connected to said audio coder-decoder
21 for supplying said analog music, and
22 a first base connector including
23 a first power connection connected to said
24 rechargeable battery pack capable of receiving charging
25 power,
26 a player analog output connection connected to said
27 audio coder-decoder for supplying said analog music, and
28 a station selection data output connection for
29 transmission of station selection data from the self-
30 contained, portable music player; and
31 a base unit including
32 a second base connector including
33 a second power connection for connection to said
34 first power connection,
35 an analog input connection for connection to said
36 player analog output connection of said first base
37 connector,

38 a station selection data input connection for
39 connection to said player station selection data output
40 connection of said first base connector,
41 a power source connected to said second power connection
42 for supplying recharging power for said rechargeable battery
43 pack,
44 a pre-amplifier having an input connected to said analog
45 input connection and an output,
46 a power amplifier having an input connected to said
47 output of said pre-amplifier and an output,
48 a speaker system connected to said output of said power
49 amplifier for reproducing sound corresponding to said output
50 of said power amplifier,
51 a tuner for receiving and demodulating analog audio
52 signals and connected to said station selection data input
53 connection of said second base connector for selecting a
54 station corresponding to said station selection data; and
55 said base unit having no input for station selection; and
56 wherein the music system operates in
57 a portable mode wherein said self-contained, portable
58 music player is disconnected from said base unit and powered
59 by said rechargeable battery pack, enabling a user to listen
60 to selected digital music stored in said memory via ~~an~~ said
61 headset connector, and
62 in a base mode wherein said self-contained, portable
63 music player is connected to said base unit via said first
64 base connector and said second base connector and powered from
65 said power source, enabling a user to listen to selected
66 digital music stored in said memory via said speaker system of
67 said base unit and control station selection of the tuner via
68 said station selection data entered via said portable music
69 player input device.

1 44. (Previously Presented) A base unit for use with a self-
2 contained, portable music player comprising:
3 a base connector including
4 a power connection,
5 an analog input connection for receiving an analog input,
6 a station selection data input connection for receiving
7 station selection data;
8 a power source connected to said power connection for
9 supplying recharging power for the self-contained, portable music
10 player;
11 a pre-amplifier having an input connected to said analog input
12 connection and an output;
13 a power amplifier having an input connected to said output of
14 said pre-amplifier and an output;
15 a speaker system connected to said output of said power
16 amplifier for reproducing sound corresponding to said output of
17 said power amplifier;
18 a tuner for receiving and demodulating analog audio signals
19 and connected to said station selection data input connection of
20 said base connector for selecting a station corresponding to said
21 station selection data; and
22 said base unit having no input for station selection.